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| FORM PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | ATTY DKT NO. 7340-007 | | SERIAL NO. 10/757,056 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | APPLICANT Higgins | | | |
| | | | | | FILING DATE January 14, 2004 | | GROUP 1793 | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CL. | SUBCL. | FILING DATE IF APPROP. | |
| /EMJ/ | A | 3,105,540 | 10/1963 | Hardgrove | 431 | 9 | | |
| ↓ | B | 3,528,797 | 09/1970 | Funk, et al. | 71 | 39 | | |
| | C | 3,565,575 | 02/1971 | Warshaww, et al. | 23 | 2 | | |
| | D | 3,773,897 | 11/1973 | Fields, et al. | 423 | 235 | | |
| | E | 3,847,564 | 11/1974 | Marion et al. | 48 | 95 | | |
| | F | 3,860,384 | 01/1975 | Vulliet et al. | 431 | 4 | | |
| | G | 3,900,554 | 08/1975 | Lyon | 423 | 235 | | |
| | H | 3,970,739 | 07/1976 | Shiraishi et al. | 423 | 23S | | |
| | I | 4,021,188 | 05/1977 | Yamagishi et al. | 431 | 158 | | |
| /EMJ/ | J | 4,029,752 | 06/1997 | Cahn | 423 | 563 | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| /EMJ/ | K | 4,039,446 | 08/1977 | Ban et al. | 210 | 688 | |
| ↓ | L | 4,080,423 | 03/1978 | Smith et al. | 423 | 210 | |
| | M | 4,089,639 | 05/1978 | Reed et al. | 431 | 211 | |
| | N | 4,119,702 | 10/1978 | Azuhata et al. | 423 | 235 | |
| | O | 4,150,631 | 04/1979 | Frey et al. | 110 | 186 | |
| | P | 4,154,581 | 05/1979 | Nack et al. | 48 | 197R | |
| | Q | 4,173,454 | 11/1979 | Heins | 44 | 522 | |
| | R | 4,196,057 | 04/1980 | May et al. | 205 | 775.5 | |
| | S | 4,213,944 | 09/1980 | Azuhata et al. | 423 | 235 | |
| | T | 4,294,178 | 10/1981 | Borio et al. | 110 | 347 | |
| | U | 4,318,718 | 03/1993 | Carver et al. | 110 | 347 | |
| /EMJ/ | V | 4,375,949 | 03/1983 | Salooja | 431 | 7 | |

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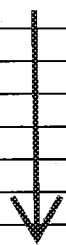
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| /EMJ/ | W | 4,381,718 | 05/1993 | Carver et al. | 110 | 347 | |
|  | X | 4,469,050 | 09/1984 | Korenberg | 122 | 4D | |
| | Y | 4,502,633 | 03/1985 | Saxon | 239 | 422 | |
| | Z | 4,504,211 | 03/1985 | Beardmore | 44 | 604 | |
| | AA | 4,506,608 | 03/1985 | Strohmeyer, Jr. | 110 | 245 | |
| | BB | 4,507,075 | 03/1985 | Buss et al. | 421 | 115 | |
| | CC | 4,507,269 | 03/1985 | Dean et al. | 423 | 235 | |
| | DD | 4,565,137 | 01/1986 | Wright | 110 | 264 | |
| /EMJ/ | EE | 4,584,948 | 04/1986 | Syred et al. | 110 | 264 | |
| /EMJ/ | FF | 4,624,840 | 11/1986 | Dean et al. | 423 | 235 | |

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| /EMJ/ | GG | 4,627,965 | 12/1986 | Hegemann et al. | 423 | 242 | |
| | HH | 4,672,900 | 06/1987 | Santalla et al. | 431 | 9 | |
| | II | 4,704,084 | 11/1987 | Liu et al. | 431 | 7 | |
| | JJ | 4,751,065 | 06/1998 | Bowers | 423 | 235 | |
| | KK | 4,777,024 | 10/1988 | Epperly et al. | 423 | 235 | |
| | LL | 4,780,289 | 10/1988 | Epperly et al. | 223 | 235 | |
| | MM | 4,809,910 | 09/1998 | Svendssen | 110 | 235 | |
| | NN | 4,824,441 | 04/1989 | Kindig | 44 | 604 | |
| | OO | 4,873,930 | 10/1989 | Egense et al. | 110 | 345 | |
| | PP | 4,962,711 | 10/1990 | Yamauchi et al. | 110 | 347 | |
| | QQ | 4,978,514 | 12/1990 | Hofmann et al. | 423 | 235 | |
| /EMJ/ | RR | 5,017,347 | 05/1991 | Epperly et al. | 423 | 235 | |

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| /EMJ/ | SS | 5,032,154 | 07/1991 | Wright | 422 | 109 | | |
| ↓ | TT | 5,048,432 | 09/1991 | Hofmann et al. | 110 | 345 | | |
| | UU | 5,052,921 | 10/1991 | Hemsath | 423 | 121 | | |
| | VV | 5,105,747 | 04/1992 | Khinkis et al. | 110 | 345 | | |
| | WW | 5,139,754 | 08/1992 | Luftglass et al. | 423 | 235 | | |
| | XX | 5,146,858 | 09/1992 | Tokuda et al. | 110 | 261 | | |
| | YY | 5,240,404 | 08/1993 | Hemsath et al. | 431 | 9 | | |
| | XX | 5,261,602 | 11/1993 | Brent et al. | 239 | 132.3 | | |
| | AAA | 5,286,467 | 02/1994 | Sun et al. | 423 | 239.1 | | |
| /EMJ/ | BBB | 5,310,334 | 05/1994 | Spiros | 431 | 5 | | |
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| /EMJ/ | CCC | 5,336,081 | 08/1994 | Saito et al. | 431 | 190 | |
| | DDD | 5,345,883 | 09/1994 | Panos | 110 | 345 | |
| | EEE | 5,536,482 | 07/1996 | Diep et al. | 423 | 235 | |
| | FFF | 5,489,419 | 02/1996 | Diep et al. | 423 | 235 | |
| | GGG | 5,585,081 | 12/1996 | Chu et al. | 423 | 239.1 | |
| | HHH | 5,690,039 | 11/1997 | Monroe et al. | 110 | 264 | |
| | III | 5,707,596 | 01/1998 | Lewandowski et al. | 423 | 235 | |
| | JJJ | 5,728,357 | 03/1998 | von Harpe | 423 | 239.1 | |
| | KKK | 5,853,684 | 12/1998 | Fang et al. | 423 | 244.1 | |
| | LLL | 5,854,173 | 12/1998 | Chang et al. | 502 | 417 | |
| | MMM | 6,019,068 | 02/2000 | Tsuo et al. | 122 | 4D | |
| /EMJ/ | NNN | 6,042,371 | 03/2000 | Mitani et al. | 431 | 215 | |

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| EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CL. | SUBCL. | FILING DATE IF APPROP. |
| /EMJ/ | OOO | 6,109,911 | 08/2000 | Tamminen et al. | 431 | 4 | |
| ↓ | PPP | 6,190,628 | 02/2001 | Carter | 422 | 168 | |
| | QQQ | 6,213,032 | 04/2001 | Breen et al. | 110 | 345 | |
| | RRR | 6,230,664 | 05/2001 | Janka et al. | 112 | 4D | |
| | SSS | 6,280,695 | 08/2001 | Lissianski et al. | 423 | 239.1 | |
| | TTT | 6,357,367 | 03/2002 | Breen et al. | 110 | 345 | |
| | UUU | 6,398,039 | 06/2002 | Xue et al. | 210 | 504 | |
| /EMJ/ | VVV | 6,485,289 | 11/2002 | Kelly et al. | 431 | 4 | |
| /EMJ/ | WWW | 6,5427,828 | 03/2003 | Flippo et al. | 95 | 54 | |

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| /EMJ/ | XXX | 6,532,905 | 03/2003 | Belin et al. | 122 | 4D | |
| | YYY | 6,818,043 | 11/2004 | Chang et al. | 95 | 37 | |
| | ZZZ | 6,953,494 | 10/2005 | Nelson, Jr. | 95 | 134 | |
| | AAAA | 7,198,769 | 04/2007 | Cichanowicz | 423 | 239.1 | |
| | BBBB | 7,335,014 | 02/2008 | Higgins | 431 | 4 | |
| | CCCC | 2003/011948 | 06/2003 | Gaita et al. | 96 | 108 | |
| | DDDD | 2004/0045437 | 03/2004 | Chang et al. | 95 | 134 | |
| | EEEE | 2004/1020872 | 06/2004 | Fan et al. | 423 | 239.1 | |
| | FFFF | 2004/0185399 | 09/2004 | Moberg | 431 | 4 | |
| | GGGG | 2004/0185402 | 09/2004 | Moberg | 431 | 9 | |
| | HHHH | 2004/0185401 | 09/2004 | Moberg | 431 | 9 | |
| /EMJ/ | III | 2004/0253161 | 12/2004 | Higgins | 423 | 235 | |

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| /EMJ/ | JJJJ | 2005/0000901 | Campbell et al. | 210 | 660 | | |
| /EMJ/ | KKKK | 2005/0002841 | Moberg | 423 | 235 | | |
| /EMJ/ | LLLL | 2005/0013755 | Higgins | 423 | 235 | | |
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| /EMJ/ | MMMM | DE28 37 156 A1 | 03/1979 | Germany (see US 5,146,858) | | | |
| /EMJ/ | NNNN | WO 87/03507A1 | 06/1987 | WIPO | X | | |
| /EMJ/ | OOOO | WO05/079305 A3 | 02/2005 | WIPO | X | | |
| /EMJ/ | PPPP | EP 0287224 A2 | 10/1988 | EPO | X | | |
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| /EMJ/ | QQQQ | EP0936405 | 08/1999 | EPO | | | X | |
| /EMJ/ | RRRR | EP0326943 A2 | 01/1989 | EPO | | | X | |
| /EMJ/ | SSSS | GB 2 001 419 A | 05/1978 | UK | | | X | |
| /EMJ/ | TTTT | JP 53-112273 | 09/1978 | Japan (see US 5,707,596) | | | | |
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| OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent pages, etc.) | | | | | | | |
| /EMJ/ | UUUU | Energy efficiency-our specialty; Mobotec, undated related technology | | | | | |
| /EMJ/ | VVVV | Combined DeNOx/DeSOx and Additional NOx Reduction by Cleaning Flue Gas Condensate From Ammonia; Moberg <i>et al.</i> ; presented at PowerGen Int'l., Nov. 30-Dec. 2, 1999 | | | | | |
| /EMJ/ | WWW W | RJM-LT, "Does This New NOx Control Technology Obsolete SCRs?" RJM Corporation; undated related technology | | | | | |
| EXAMINER /Edward M. Johnson/ (01/22/2009) | | | | | | | |
| DATE CONSIDERED | | | | | | | |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

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| FORM PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DKT NO. 7340-007 | | SERIAL NO. 10/757,056 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | APPLICANT Higgins | | | |
| | | | | FILING DATE January 14, 2004 | | GROUP 1793 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CL. | SUBCL. | FILING DATE IF APPROP. |
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